

IN THE CLAIMS

1. (Currently Amended) A method comprising:
compiling data on ~~reported~~ factors that cause data transmission errors;
~~predicting unreported factors that can cause data transmission errors;~~
~~compiling data on the unreported factors;~~
employing error correction on data to be transmitted, based on at least ~~one of the data on the~~
~~reported factors and the unreported~~ compiled data factors; and
transmitting the data to be transmitted to at least one receiver.
2. (Currently Amended) The method as in claim 1, wherein the compiling data on the reported factors ~~and on the unreported factors~~ comprises collecting data that can effect data transmission on a path to the at least one receiver, and collecting data on at least one of regional data, environmental data, atmospheric data, sunspot activity and season, radio frequency propagation data, and retransmission factors.
3. (Original) The method as in claim 1, wherein the compiling data on ~~reported the~~ factors comprises at least one of continuously collecting data and collecting data at predetermined events that can effect data transmission.
4. (Cancelled).
5. (Original) The method as in claim 1, wherein the employing error correction comprises employing at least one of forward error correction and carouselling, and adjusting at least one of bandwidth and Quality Of Service (QOS).
6. (Currently Amended) The method as in claim 1, wherein the employing error correction comprises dynamically adjusting error correction according to the compiled data factors.
7. (Original) The method as in claim 1, wherein the transmitting comprises broadcasting data.
8. (Original) The method of claim 1, wherein the transmitting the data comprises utilizing at least one of wireless conventional ground terrestrial transmission, digital television (DTV) connection, analog and digital cable television (CATV), satellite connection, direct broadcast satellite system (DBS), wide area network (WAN) connection, and formats chosen by the Advanced Television Systems Committee (ATSC) and the National Television Standards Committee (NTSC).

9. (Currently Amended) An apparatus comprising:
an error correction engine to compile data on ~~reported~~ factors that cause data transmission errors, ~~predict and compile unreported factors that can cause data transmission errors~~, and employ error correction on data to be transmitted, based on at least one of the compiled data on the ~~reported factors and the unreported factors~~; and
a transmitter, coupled to the error correction engine, to transmit the data to be transmitted to at least one receiver.
10. (Original) The apparatus as in claim 9, wherein the error correction engine collects data that can effect data transmission on a path to the at least one receiver, and collects data on at least one of regional data, environmental data, atmospheric data, sunspot activity and season, radio frequency propagation data, and retransmission factors.
11. (Original) The apparatus as in claim 9, wherein the error correction engine at least one of continuously collects data on reported factors and collects data on reported factors at predetermined events that can effect data transmission.
12. (Cancelled)
13. (Original) The apparatus as in claim 9, wherein the transmitter broadcasts data.
14. (Original) The apparatus as in claim 9, wherein the error correction engine dynamically employs at least one of forward error correction and carouselling, and adjusts at least one of bandwidth and Quality Of Service (QOS).
15. (Original) The apparatus of claim 9, wherein the transmitter utilizes at least one of wireless conventional ground terrestrial transmission, digital television (DTV) connection, analog and digital cable television (CATV), satellite connection, direct broadcast satellite system (DBS), wide area network (WAN) connection, and formats chosen by the Advanced Television Systems Committee (ATSC) and the National Television Standards Committee (NTSC).
16. (Currently Amended) A machine readable medium having instructions that when executed by a processor cause the processor to perform operations comprising:
compiling data on ~~reported~~ factors that cause data transmission errors;
~~predicting unreported factors that can cause data transmission errors~~;
~~compiling data on the unreported factors~~;

employing error correction on data to be transmitted, based on at least ~~one of the~~ compiled data ~~on the reported factors and the unreported factors~~; and
transmitting the data to be transmitted to at least one receiver.

17. (Currently Amended) The machine readable medium of claim 16, wherein the compiling data on the ~~reported factors and on the unreported factors~~ comprises collecting data that can effect data transmission on a path to the at least one receiver, and collecting data on at least one of regional data, environmental data, atmospheric data, sunspot activity and season, radio frequency propagation data, and retransmission factors.

18. (Currently Amended) The machine readable medium of claim 16, wherein the compiling data on ~~reported the~~ factors comprises at least one of continuously collecting data and collecting data at predetermined events that can effect data transmission.

19. (Cancelled)

20. (Original) The machine readable medium of claim 16, wherein the employing error correction comprises employing at least one of forward error correction and carouselling, and adjusting at least one of bandwidth and Quality Of Service (QOS).

21. (Currently Amended) The machine readable medium of claim 16, wherein the employing error correction comprises dynamically adjusting error correction according to the compiled data factors.

22. (Original) The machine readable medium of claim 16, wherein the transmitting comprises broadcasting data.

23. (Original) The machine readable medium of claim 16, wherein the transmitting the data comprises utilizing at least one of wireless conventional ground terrestrial transmission, digital television (DTV) connection, analog and digital cable television (CATV), satellite connection, direct broadcast satellite system (DBS), wide area network (WAN) connection, and formats chosen by the Advanced Television Systems Committee (ATSC) and the National Television Standards Committee (NTSC).